THEORETICAL AND EXPERIMENTAL RESEARCH OF TECHNOLOGICAL PROPERTIES OF THE AGRICULTURAL BRIDGE AGGREGATES

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Abstract: The physical objects of the study were an agricultural bridge tool, a structure developed by us with a track gauge of 3.5 m, and the aggregated agricultural implements, used for surface tillage: a tooth harrow, a rotary harrow and an S-shaped spring loosener. The experiments proved good adaptability to work of the aggregate of controlled traffic and bridge farming, and high quality of the technological soil tillage processes in the agrotechnical area of the field. The variation coefficient of fluctuations in the resistance of agricultural implements on the hook of the agricultural bridge tool was no more than 10%.

Keywords: Bridge aggregate, soil irregularities, profile, traction resistance.

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